

Converting Colors

$Y_{xy}(48.0261, 0.2992, 0.3217)$

Have a look what the booklet for
Yxy(48.0261, 0.2992, 0.3217)
contains.

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Color

Yxy(48.0375, 0.2992, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	AFBAC0
RGB	175, 186, 192
RGB Percent	69%, 73%, 75%
CMY	0.3138, 0.2705, 0.2471
CMYK	0.09, 0.03, 0.00, 0.25
HSL	201°, 12%, 72%
HSV	201°, 9%, 75%
XYZ	44.7473, 48.0375, 56.7716
YIQ	183.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

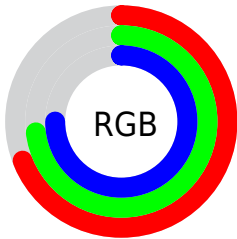
Format	Color
RYB	175, 182, 192
Decimal	11516608
CIELab	74.85, -2.62, -4.34
CIELCh	75, 5.069, 238.851
Yxy	48.0375, 0.2992, 0.3212
Android (android.graphics.Color)	4289706688 (0xFFAFBAC0)
YUV	183.3950, 4.2423, -7.3624
Hunter-Lab	69.3091, -6.0479, -0.0485

Details

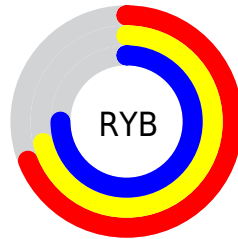
The Yxy color $48.0375, 0.2992, 0.3212$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $47.3260, 0.3271, 0.3367$, and the grayscale version is $47.5606, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.2705, 0.3021, 0.3229$, and $22.7767, 0.2945, 0.3183$ is the 20% darker color. If you saturate the color by 10%, you get $43.2000, 0.2838, 0.3115$, and if you desaturate by 10%, it is $53.3288, 0.3144, 0.3300$.

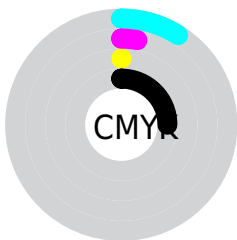
Distribution



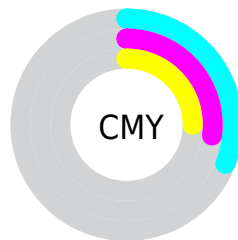
- Red (69%)
- Green (73%)
- Blue (75%)



- Red (69%)
- Yellow (71%)
- Blue (75%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)



- Cyan (31%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0375, 0.2992, 0.3212 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.0375, 0.2992, 0.3212 by changing the saturation by 10% instead.

■ 48.0375, 0.2992,
0.3212

■ 48.0375, 0.2992,
0.3212

378.9407, 0.3059,
0.3251

■ 33.8566, 0.2975,
0.3202

■ 87.2602, 0.3016,
0.3226

■ 22.7834, 0.2954,
0.3190

113.0708, 0.3025,
0.3232

■ 14.4337, 0.2926,
0.3173

143.5268, 0.3033,
0.3236

■ 8.4229, 0.2887,
0.3149

179.0125, 0.3040,
0.3240

■ 4.3667, 0.2830,
0.3114

219.9124, 0.3046,
0.3243

■ 1.8808, 0.2736,
0.3055

266.6108, 0.3051,

■ 0.5368, 0.2385,

0.3246

0.2869

319.4921, 0.3055,
0.3249

0.0000, 0.0000,
0.0000

48.0375, 0.2992,
0.3212

48.0375, 0.2992,
0.3212

43.2000, 0.2838,
0.3115

53.3288, 0.3144,
0.3300

38.7953, 0.2685,
0.3009

59.0823, 0.3293,
0.3378

34.8092, 0.2536,
0.2894

65.3133, 0.3437,
0.3447

31.2246, 0.2394,
0.2771

72.0349, 0.3574,
0.3509

28.0227, 0.2265,
0.2643

76.1035, 0.3582,
0.3575

■ 25.1829, 0.2150,
0.2510

■ 79.7078, 0.3566,
0.3641

■ 22.6822, 0.2054,
0.2375

■ 83.4564, 0.3551,
0.3707

■ 20.4936, 0.1978,
0.2241

■ 87.3508, 0.3535,
0.3771

■ 18.5729, 0.1921,
0.2110

■ 91.3927, 0.3520,
0.3834

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0375, 0.3003, 0.3269



48.0375, 0.2992, 0.3212



48.0375, 0.3017, 0.3177

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.0375, 0.2992, 0.3212



48.0375, 0.3209, 0.3248



48.0375, 0.3182, 0.3411

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.0375, 0.2992, 0.3212



47.3260, 0.3271, 0.3367

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.0375, 0.3238, 0.3404



48.0375, 0.2992, 0.3212



48.0375, 0.3254, 0.3309

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.0375, 0.2992, 0.3212



48.0375, 0.3142, 0.3198



48.0375, 0.3264, 0.3366



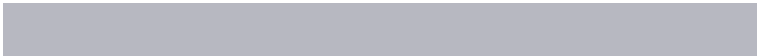
48.0375, 0.3112, 0.3385

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0375, 0.2992, 0.3212



48.0375, 0.3051, 0.3170



48.0375, 0.3264, 0.3366



48.0375, 0.3203, 0.3412

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.0395, 0.2992, 0.3212



92.5298, 0.3081, 0.3264



50.1363, 0.3073, 0.3434



19.6834, 0.3069, 0.3257



97.7402, 0.3127, 0.3290



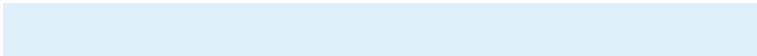
20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.0395, 0.2992, 0.3212



84.9565, 0.2956, 0.3190



44.5710, 0.2992, 0.3100



10.8139, 0.2984, 0.3207



12.5098, 0.1920, 0.2111



0.6659, 0.2001, 0.2405

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.4021, 0.3186, 0.3150



79.0727, 0.3203, 0.3112



50.8796, 0.3260, 0.3473



10.1855, 0.3190, 0.3142



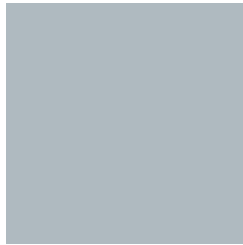
8.5451, 0.4329, 0.2158



0.3819, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 48.0375, 0.2992, 0.3212 looks on a white background.

Color Contrast Check

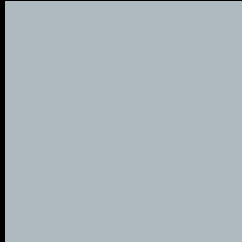
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 48.0375, 0.2992, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

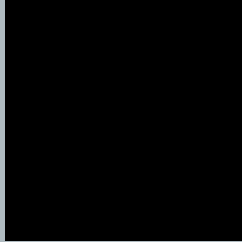
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

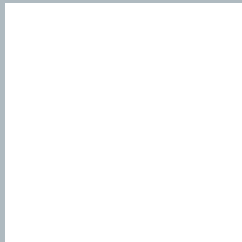
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0375, 0.2992, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 48.0375, 0.2992, 0.3212.



This preview shows how white text looks on a background with the Yxy color 48.0375, 0.2992, 0.3212.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.0375, 0.2992, 0.3212

Protanopia

47.8990, 0.3089, 0.3201

Deuteranopia

48.0962, 0.3178, 0.3117



Tritanopia

48.0516, 0.2949, 0.3110

Trichromacy



Original Color

48.0375, 0.2992, 0.3212

Protanomaly

47.8663, 0.3048, 0.3200

Deuteranomaly

48.2533, 0.3108, 0.3152

Tritanomaly

47.9136, 0.2971, 0.3148

Monochromacy



Original Color

48.0375, 0.2992, 0.3212

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.5294, 0.3078, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0375, 0.2992, 0.3212 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(175, 186, 192)` looks like.

```
.text, #text, p{  
    color:rgb(175, 186, 192)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(175, 186, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 186, 192) }
```

Border

The CSS property to change the border of an element to Yxy 48.0375, 0.2992, 0.3212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 186, 192) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(175, 186, 192) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(175, 186, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 186, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 186, 192);  
box-shadow:4px 4px 4px 4px rgb(175, 186,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0375, 0.2992, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 186, 192) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(175,  
186, 192) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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